

## UNITED STATE PARTY OFFINO. 3077 Patent and Tratemark Offino. 3077

Address : COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

ATTORNEY DOCKET NO. FIRST MAKED INVENTOR 113251 FILING DATE Berial Number SCHIMMEL 09/21/90 07/586,534 Y GEVIEW I LIGH EXAMINES PAPER NUMBER PATREA L. PABST ART UNIT KILFAIRICK & CUDY 100 PEACHTREE STREET, STE. 3100 187 ATLANIA, GA 30303 07/16/91 DATE MAILED: This is a communication from the exeminar in charge of your application. COMMISSIONER OF IVATENTS AND TRADEMARKS This action is made final. Responsive to communication filed on\_ This application has been examined days from the date of this letter. \_\_month(s), \_\_ A shortened statutory period for response to this action is set to expire \_ Failure to respond within the period for response will cause the application to become ebandoned. 35 U.S.C. 133 Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION: 2. Notice re Patent Drawing, PTO-948. Notice of Informal Patent Application, Form PTO-152 1. X Notice of References Cited by Examiner, PTO-692. Notice of Art Cited by Applicant, PTO-1449. s. 🗀 5. Information on How to Effect Drawing Changes, PTO-1474. Part II SUMMARY OF ACTION \_\_are pending in the application. 1, Claims are withdrawn from consideration. Of the above, dains \_\_\_ \_ have been cancelled. 2 Claims \_ ere allowed. are rejected. 🛕 🔀 Claims \_ are objected to. are subject to restriction or election requirement. 5. Claims \_ 7. This application has been filed with informal drawings under 37 C.F.R.-1.85 which are acceptable for examination purposes. 8. Tormal drawings are required in response to this Office action. \_ Under 97 C.F.R. 1,84 these drawings 9. The corrected or substitute drawings have been received on ere acceptable; not acceptable (see explanation or Notice re Patent Drawing, PTO-948). \_\_\_\_, has (have) been 🔲 approved by the . 10. The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_ examiner, \(\sigma\) disapproved by the examiner (see explanation). \_\_\_ has been 🔲 approved; 💭 disapproved (see explanation). 11. The proposed drawing correction, filed \_\_\_ 12. Acknowledgement is made of the claim for priority under U.S.C. 119. The certified copy has . been received: I not been received been filed in parent application, serial no.\_\_\_\_\_\_; filed on\_\_\_\_\_; filed on\_\_\_\_\_; 13, Since this application apppears to be in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 459 O.G. 213. DOCKETED 14. Other

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-13 are rejected under 35 U.S.C. § 102(b) as being anticipated by Miller et al, Nakai et al or Suhadolnik et al ('359 and '624).

All of the references are directed to inhibiting target RNA. In each reference, the sequence of the target nucleotide has been determined. "Determining the three-dimensional structure is an inherent consideration when preparing a binding (complimentary) polynucleotide. Note the examples.

The following is a quotation of the first paragraph of 35 U.S.C. § 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

The specification is objected to under 35 U.S.C. § 112, first paragraph, as failing to adequately teach how to make and/or use the invention, i.e. failing to provide an enabling disclosure.

Applicant describes in general terms what should be done but

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the reaction conditions: solutions, pH, buffer, proportions, etc. are not given. See Example 1. Some processes are given by references to publications. This is not proper.

The incorporation of essential material by reference to a foreign application or foreign patent or to a publication inserted in the specification is improper. Applicant is required to amend the disclosure to include the material incorporated by reference. The amendment must be accompanied by an affidavit or declaration executed by the applicant, or applicant's attorney or agent, stating that the amendatory material consists of the same material incorporated by reference in the referencing application. In re Hawkins, 486 F.2d 569, 179 USPQ 157; In re Hawkins, 486 F.2d 579, 179 USPQ 163; In re Hawkins, 486 F.2d 577, 179 USPQ 167.

Claims 1-13 are rejected under 35 U.S.C. § 112, first paragraph, for the reasons set forth in the objection to the specification.

YARBROUGH:ew July 11, 1991 (703) 308-0196 AMELIA BURGESS YARBROUGH PRIMARY EXAMINER ART UNIT 187 PTO - 948

U.S. DEFARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTACHMENT TO PAPER NUMBER 7
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, are so informal they cannot be

GROUP 1807

PTO chaffsman now review both "NOTICE OF PATENT DRAWINGS OBJECTION

formal and informal drawings. The examiner will require Submission of formal drawings Drawing Corrections and/or new drawings may only be submitted in the manner set forth in the attached letter, at the accrophate time. "Information on How to Effect Drawing Changes" PTO-1474. are objected to as informal for reason(s) The drawings, filed on Lines Pale. Parts in Section Must Be Hatched. 12. Solid Black Objectionable. Paper Poor. Z Lines Rough and Blurred. Shade Lines Required. Extraneous Matter Objectionable. [37 CFR 1.84 (1)] Figures Must be Numbered. \_6. Paper Undersized; either 8½" x 14", or 21.0 cm. x 29.7 cm. required. Heading Space Required. Figures Must Not be Connected. Proper A4 Margins Required: RIGHT 1.5 cm. . . TOP 2.5 cm. LEFT 2.5 cm. BOTTOM 1.0 cm. Criss-Cross Hatching Objectionable. Double-Line Hatching Objectionable. Figure 2A and 2B"

corrected. New drawings are required. Submission of the new drawings MUST be

made in accordance with the attached letter.

The drawings, submitted on

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